



BACKGROUND OF THE INVENTION

The present invention relates to a mill for seasonings, and ~~designed~~ in particular, to a mill for use with moist salt such as Guérande salt.

The disadvantage of moist salt is that moist salt [[it]] sticks to the walls of the mill, making it difficult to grind ~~it~~.

~~Moreover the salt. Moreover, because moist salt the fact that it sticks to the walls~~ of the mill, this also leads to waste because wastage since simply shaking the mill is not enough to detach the salt from the walls of the mill. As a consequence, and therefore the mill has to be refilled regularly.

~~Furthermore regularly. Furthermore, moist~~ [[the]] salt can [[may]] corrode components of the mill, leading to physical and ~~physico~~ [[-]] chemical reactions that may be harmful to the consumer.

SUMMARY OF THE INVENTION

In accordance with the present [[The]] invention, such ~~overcomes these various~~ disadvantages are overcome by providing ~~proposing~~ a mill for grinding seasonings, particularly in

~~particular for~~ moist salt, and especially Guérande salt, which prevents the salt from sticking to the walls of the mill, thereby improving the grinding yield.

To this end, ~~the present invention relates to~~ a mill for grinding seasonings is provided which is comprised ~~[[,]] in particular for moist salt such as Guérande salt, consisting of a body, inside which a drive shaft [[is]] articulated within the body, and a cap covering the body. The~~ [[,]] characterized in that the drive shaft has a device for breaking up the salt.

In accordance with ~~The mill according to the present invention, the consists in particular of a body receives in which a screw which is operated actuated, the latter operating by the means of a drive shaft and a drive disk. A knob is~~ [[,]] positioned on the cap covering the body of the mill, and is used to drive the resulting assembly commence driving.

The invention is hereafter described in further detail, ~~will be more clearly understood with reference to the following attached drawings. [[,]] in which:~~

BRIEF DESCRIPTION OF THE DRAWINGS

~~[[,]]~~ Figure figure 1 is an isometric general view of the

mill ~~of according to~~ the present invention. [[,]]

[[-]] ~~Figure figure~~ 2 is an isometric view of the mill
shown in Figure 1, with the cap removed. [[,]]

[[-]] ~~Figure figure~~ 3 is an exploded, isometric view of the
mill shown in Figure 1 ~~according to the invention~~.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

The ~~body 2 of the mill 1~~ has a body 2 which is cylindrical
in shape. ~~A Inside this body 2a is a~~ receptacle 2a is provided
inside the body 2 for storing a ~~the~~ seasoning, in particular,
salt. The body 2 can ~~may~~ be made of any of a variety ~~kind~~
of materials, such as wood or plastic.

The body 2 is enclosed ~~surmounted~~ by a cap 3 which is flared
toward the top. A knob 4, in the form of a ball, is provided
for mounting the ~~This~~ cap 3 to the body 2. ~~The is itself~~
~~surmounted by a knob 4 in the form of a ball.~~

~~The~~ cap 3 and the ball 4 can ~~may~~ be made of any ~~kind~~
of a variety of materials, such as wood or plastic.

A drive disk 5 is situated at the connection ~~join~~ between
the cap 3 and the body 2 of the mill ~~4~~.

~~It~~ 1. The drive disk 5 is advantageously made of plastic [[so as]] to prevent any corrosion by the seasoning to be ground, in particular, ~~salt.~~

~~The a salt.~~ The drive disk 5 is coupled with ~~surmounted~~ by a shaft 6 for driving and adjusting the mill. The drive [[This]] shaft 6 is also advantageously made of plastic, and receives [[. The]] ~~shaft 6 is surmounted by~~ the ball 4.

A screw 7 is attached to the bottom of the drive disk 5, passing through most of the body 2 of the mill 1, and covers ~~covering~~ the drive shaft ~~6.~~

~~The 6.~~ The screw 7 has several notches 8 disposed along the drive shaft 6.

A bowl [[dish]] 9 is positioned at the bottom of the screw 7, which receives a bulb 10. The screw 7 bears on the bowl ~~this~~ ~~dish~~ 9, where the seasoning [[salt]] is ground using the [[a]] bulb ~~10.~~

~~This 10.~~ The bowl [[dish]] 9 and the bulb 10 will be made of ceramic to prevent any corrosion by the seasoning [[salt]].

The drive shaft 6 of the mill 1 is advantageously overmolded

~~by obtained by overmolding the bulb 10.~~

~~its 10.~~ The lower end of the bulb 10 is square in shape, as is the screw 7 which surrounds ~~surrounding~~ it, to prevent any twisting of the drive shaft 6.

At 6. A ~~the bottom, the bulb 10 has a~~ bracket 11 surrounds ~~the bottom of surrounding~~ the bulb 10 and the bowl ~~[[dish]]~~ 9. The ~~[[This]]~~ bracket 11 will be made of plastic.

The various components of the mill 1 are connected to one another by stainless steel screws. To prevent any corrosion, these screws are sealed off from the salt using a drop of resin that covers ~~their head.~~

~~To~~ the heads of the screws. To this end, the housings for the screws are larger than the screws to allow a drop of resin to flow in, achieving the desired ~~and thus fulfill its~~ sealing function.

Grinding is adjusted using the knob 4 arranged on the cap 3. The user twists the cap 3, and the it. ~~The~~ cap 3 drives the ~~[[a]]~~ screw 7 via the disk 5. The ~~[[This]]~~ screw 7 drives the shaft via the ~~its drive~~ square shape ~~[[,]]~~ located at the bottom of the screw 7.

The movement of the screw 7, together with its notches 8, breaks up the seasoning and facilitates the salt, ~~facilitating grinding because~~ [[as]] the seasoning [[salt]] falls into the grinding device more readily.

~~The readily.~~ The seasoning [[salt]] falls into the bowl 9, [[dish]] where it is ground by the bulb 10.

Because [[Since]] the lower end of the drive shaft 6 is square, the drive shaft 6 is prevented from being twisted [[. This]] is in fact where it is driven by the screw drives it.

~~To 7.~~ To prevent the plastic shaft 6 from being twisted by twisting in the event of a drive which is applied at a point offset from the driving force, the driving force latter is relayed as close as possible to the bulb 10, via the screw 7.

Moreover, and because [[since]] the bowl [[dish]] is made of a ceramic, the seasoning is ground finely, without corroding the components of the mill. ~~This The mill according to the invention~~ makes it possible to grind corrosive seasonings, such as salt, as well as to dispense it.

~~Certain~~ such seasonings. Certain components of the mill of ~~according to the present~~ invention, such as [[i.e.]] the drive

shaft, the drive disk and the screw, are made of plastic to prevent corrosion that would surely be caused ~~by the salt~~ to metal by a corrosive seasoning, such as salt.

While the invention has been described in relation to particular embodiments, it is to be understood that the present invention encompasses all technical equivalents of the means described.